

ABSTRACT

DYE-AZIDE COMPOUNDS FOR DUAL PHOTOTHERAPY

The present invention discloses dye-azide derivatives and their bioconjugates for dual phototherapy of tumors and other lesions. The compounds of the present invention may contain either a mixture of Type 1 and
5 Type 2 agents or a single entity that integrates both units in the same molecules. The compounds are designed to produce both Type 1 and Type 2 phototherapeutic effect at once using dual wavelength light source that will produce singlet oxygen and nitrene at the lesion of interest.